

# AMERICAN BEE JOURNAL

Vol. 138

INDEX

1998

2 Cent Board, 91  
40 Years of Bees, Beekeeping and Graduate Education - 788

## A

A Sip Through Time, a Collection of Old Brewing Recipes - 166  
A Look Under the Cap: The Reproductive Behavior of Varroa - 528  
A Method to Test the Efficiency of a Disinfecting Process with Hot Paraffin for AFB Control - 741  
A Case for Limiting Promotion to US Honey - 93  
ABF News Update - 169  
AFB Control - 741  
AFB Disease - 738, 741  
Africanization Determination - 56  
Almond crop Forecast Issued - 495  
American Bee Research - 291  
American Bee Journal - 25, 50, 75, 100 Years Ago - 6, 74, 151, 230, 318, 402, 486, 558, 630, 705, 777, 853  
American Beekeeping Federation - 169  
American Honey Princess Visits CA Farmers Fair - 16  
An Observation Hive for Schools - 721  
An Interesting Queen Rearing Method - 811  
An Assay to Detect Fluvalinate Resistance in Varroa Mites - 538  
An Assessment of the Insect Population Using Three Species of *Tilia* - 823  
Apiary Inspectors of America - 171  
Apiculture Extension Education Needs in the U.S. - 129  
Apimondia '99 Offers Great Tourism Opportunities - 785  
Apimondia - 601  
Apitherapy - 601  
Assessment of the Insect Populations - 823

## B

Baton Rouge Lab Requests Help with Varroa Resistance Research - 166  
Bee Expert is an Outstanding Scientist of 1997 - 85  
Bee Houses of Roya Valley - 515  
Bee Houses of France - 515  
Bee Rhythms - 187  
Bee Truck Accident - 865  
Bees - 887  
Beekeepers - A New Children's Book About Beekeeping - 332  
Beekeeping in Greece - 461  
Beekeeping in Taiwan - 743  
Beekeeping with the Asiatic Hive Bee, *Apis cerana* - 273  
Bees Exalted in English Stained Glass - 819  
Bees That Dance - 279  
Beeswax - 659  
Beeswax and Propolis for Pleasure and Profit - 494  
Bee-utiful Gift - 865  
Belgium Auction Featured Rare Bee Coins - 19  
Beneficial Microbes May Guard Bees' Health - 714  
Biological Control of Varroa Mites Without Chemicals - 801  
Black Locust, Tulip Tree - 193  
Book Review - Queen Rearing and Bee Breeding - 494  
Breeding - 464  
Brood Rearing in the Winter Cluster - 511  
Browsing the Marketplace - 384  
Buzzing a Hive-A Teacher's Activity Guide - 331

## C

California Honorary Beekeepers - 424

California State Beekeeper of the Year - 423  
California Young Beekeeper of the Year - 423  
Call for Nominations for EAS Awards - 20  
Can We Forecast the Price of Honey? - 337  
Can We Produce Varroa-Tolerant Honey Bees in the United States? - 828  
Carniolan Bees - 749  
Chalkbrood and Its Control - 795  
Characteristics of Black Locust as a Honey Plant in the Middle Dnepr Region (Ukraine) - 665  
Charlatans Among Us - 115  
Colony Foraging - 897  
Comb Exchange as an Aid in Uniting Honey Bee Colonies - 669  
Concerned Beekeepers Form Education Group - 163  
Continued Studies on the Production of Unifloral Honey Within a Cage - 523  
Costing Honey Sales - 113  
Cover Pictures  
January - Winter Bee Yard by Klaus Nowotnick  
February - Confined Queen Exposed in Her Cell by Dr. Wyatt Mangum  
March - Honey Bee Foraging on Crocus Flower by Tibor Szabo  
April - Water-one of Life's Necessities by Dr. Wyatt Mangum  
May - Erwin Glew  
June - Antique Bee Hunting Box by Wyatt Mangum  
July - Varroa Mites on a Honey Bee by Tibor Szabo  
August - Two Queen Cells; One was Constructed From a Drone Cell - by Wyatt Mangum  
September - Back-40 High Rise by Louis Archambault  
October - Wax Moth Eggs by Wyatt Mangum  
November - Honey Bee Collecting Nectar from Wild Thyme Flowers by Tibor Szabo  
December - Honey bee collecting pollen from oriental poppy flower by Tibor Szabo. Inset photo of different types of bees by Wyatt Mangum

## D

Dance Language/Odors - 746, 897  
Dancing Bees - The So-Called Controversy - 351  
Designing Honey Labels - 41  
Detecting Fluvalinate-Resistant Varroa Mites - 535  
Device Reveals Bees' Attack Strategies - 714  
Disease Resistance - 47, 375  
Distinguished Service Award - 424  
DNEPR Region - 665  
Don't Get Ripped Off in the Honey Board Debate - 409  
Drones - 891  
Drone Congregation Areas - 29

## E

Effect of New vs. Old Wax Brood Combs on Honey Bee Tracheal Mite Populations in ND - 672  
Essayists Catalog Beekeeping Activities - 425  
Essex County Beekeepers Mount a Winning Fair - 445  
European Professional Beekeepers Assoc. - 17  
Extension Bee Specialist Receives AAPA Award for Apicultural Excellence in Florida - 167

## F

Family Page - 43, 117, 191, 281, 353, 449, 521, 595, 661, 755, 815, 873  
Finding the Lady - 880  
Florida Pest Alert—The Small Hive Beetle - 565  
Fluvalinate Resistance in *Varroa jacobsoni* From Several Geographic Locations - 674

For Tiptop Bee Health - 568  
Fore Receives Dutch Gold Honey Bear - 164  
Formic Acid Gel Protects Bees and People - 713  
Formic Acid Gel Could Stop Two Mites With One Treatment - 17  
Formic Acid For Varroa Control - 734  
Fraknol Thymol Frame for Varroa Control - 610  
Frequency and Infestation Levels of the Mites - 125  
From Beekeeping to Photography - 189

## G

Gerard Paradis: A Tribute - 640  
Giant Resin Bee is Found in the U.S. - 363  
Glickman Names Members to National Honey Board - 496, 568  
Gold Mining for Wax - 659  
Growth Curves for Swarm Prevention Methods - 183

## H

Haile the Sunflower - 805  
Hang Tags Help Sweeten Honey Sales - 241  
Hawaiian Beekeepers Receive Award - 329  
Health From the Hive: You are What you Eat - 597  
Heraldic Honey Bee - 357  
Hidden Support - 45  
History and Beekeepers - 857  
Hive Locations - 264  
Hives - 725  
Honey - 649  
Honey Bee Anatomy - 119, 603  
Honey Bee Hygienic Behavior - 283  
Honey Bee Pollen Baskets - 45  
Honey Bee Biology - 101, 259, 441, 581, 727, 887  
Honey Bee, *Apis cerana* - 273  
Honey Bee Dance Language - 279, 351, 457  
Honey Flows - 505  
Honey Health - 597  
Honey, Here Are Three Recipe Brochures - 425  
Honey on Hot Bread - 20  
Honey Nature's Original Nutraceutical - 568  
Honey Plant Marked For Biocontrol - 87  
Honey Prices - 337  
Honey Producers 1999 Convention Update - 331  
Honey Plants - 523  
Honey Plant Research - 50  
Honey Risks and Adverse Effects - 355  
Honey Sales - 593  
Honey Show - 445  
Honey Trade/Changing Honey Prices - 251  
Honey.com Web Site Honored - 425, 496  
Honey—What to do With it and Other Interesting Problems - 593  
Hoopingamer Honored - 85  
Hornfaced Bees for Apple Pollination - 361  
How Healthy are Commercially Produced U.S. Honey Bee Queens? - 677  
How I Handle Swarming - 437  
Hygienic - 283

## I

IBRA Prepares for New Millenium - 863  
Illinois Short Course a Success - 330  
Imaginative/Creative Solutions to Bee Problems are Needed - 655  
Invitation to Apimondia '99 - 857  
Inspection - 585  
Irish Beekeeping - Differences and Similarities - 817  
Issues and Problems in Selling Honey to Stores - 519  
Is the Small Hive Beetle a Serious Pest of U.S. Honey

# AMERICAN BEE JOURNAL

Vol. 138

INDEX

1998

2 Cent Board, 91  
40 Years of Bees, Beekeeping and Graduate Education - 788

## A

A Sip Through Time, a Collection of Old Brewing Recipes - 166  
A Look Under the Cap: The Reproductive Behavior of Varroa - 528  
A Method to Test the Efficiency of a Disinfecting Process with Hot Paraffin for AFB Control - 741  
A Case for Limiting Promotion to US Honey - 93  
ABF News Update - 169  
AFB Control - 741  
AFB Disease - 738, 741  
Africanization Determination - 56  
Almond crop Forecast Issued - 495  
American Bee Research - 291  
American Bee Journal - 25, 50, 75, 100 Years Ago - 6, 74, 151, 230, 318, 402, 486, 558, 630, 705, 777, 853  
American Beekeeping Federation - 169  
American Honey Princess Visits CA Farmers Fair - 16  
An Observation Hive for Schools - 721  
An Interesting Queen Rearing Method - 811  
An Assay to Detect Fluvalinate Resistance in Varroa Mites - 538  
An Assessment of the Insect Population Using Three Species of *Tilia* - 823  
Apiary Inspectors of America - 171  
Apiculture Extension Education Needs in the U.S. - 129  
Apimondia '99 Offers Great Tourism Opportunities - 785  
Apimondia - 601  
Apitherapy - 601  
Assessment of the Insect Populations - 823

## B

Baton Rouge Lab Requests Help with Varroa Resistance Research - 166  
Bee Expert is an Outstanding Scientist of 1997 - 85  
Bee Houses of Roya Valley - 515  
Bee Houses of France - 515  
Bee Rhythms - 187  
Bee Truck Accident - 865  
Bees - 887  
Beekeepers - A New Children's Book About Beekeeping - 332  
Beekeeping in Greece - 461  
Beekeeping in Taiwan - 743  
Beekeeping with the Asiatic Hive Bee, *Apis cerana* - 273  
Bees Exalted in English Stained Glass - 819  
Bees That Dance - 279  
Beeswax - 659  
Beeswax and Propolis for Pleasure and Profit - 494  
Bee-utiful Gift - 865  
Belgium Auction Featured Rare Bee Coins - 19  
Beneficial Microbes May Guard Bees' Health - 714  
Biological Control of Varroa Mites Without Chemicals - 801  
Black Locust, Tulip Tree - 193  
Book Review - Queen Rearing and Bee Breeding - 494  
Breeding - 464  
Brood Rearing in the Winter Cluster - 511  
Browsing the Marketplace - 384  
Buzzing a Hive-A Teacher's Activity Guide - 331

## C

California Honorary Beekeepers - 424

California State Beekeeper of the Year - 423  
California Young Beekeeper of the Year - 423  
Call for Nominations for EAS Awards - 20  
Can We Forecast the Price of Honey? - 337  
Can We Produce Varroa-Tolerant Honey Bees in the United States? - 828  
Carniolan Bees - 749  
Chalkbrood and Its Control - 795  
Characteristics of Black Locust as a Honey Plant in the Middle Dnepr Region (Ukraine) - 665  
Charlatans Among Us - 115  
Colony Foraging - 897  
Comb Exchange as an Aid in Uniting Honey Bee Colonies - 669  
Concerned Beekeepers Form Education Group - 163  
Continued Studies on the Production of Unifloral Honey Within a Cage - 523  
Costing Honey Sales - 113  
Cover Pictures  
January - Winter Bee Yard by Klaus Nowotnick  
February - Confined Queen Exposed in Her Cell by Dr. Wyatt Mangum  
March - Honey Bee Foraging on Crocus Flower by Tibor Szabo  
April - Water-one of Life's Necessities by Dr. Wyatt Mangum  
May - Erwin Glew  
June - Antique Bee Hunting Box by Wyatt Mangum  
July - Varroa Mites on a Honey Bee by Tibor Szabo  
August - Two Queen Cells; One was Constructed From a Drone Cell - by Wyatt Mangum  
September - Back-40 High Rise by Louis Archambault  
October - Wax Moth Eggs by Wyatt Mangum  
November - Honey Bee Collecting Nectar from Wild Thyme Flowers by Tibor Szabo  
December - Honey bee collecting pollen from oriental poppy flower by Tibor Szabo. Inset photo of different types of bees by Wyatt Mangum

## D

Dance Language/Odors - 746, 897  
Dancing Bees - The So-Called Controversy - 351  
Designing Honey Labels - 41  
Detecting Fluvalinate-Resistant Varroa Mites - 535  
Device Reveals Bees' Attack Strategies - 714  
Disease Resistance - 47, 375  
Distinguished Service Award - 424  
DNEPR Region - 665  
Don't Get Ripped Off in the Honey Board Debate - 409  
Drones - 891  
Drone Congregation Areas - 29

## E

Effect of New vs. Old Wax Brood Combs on Honey Bee Tracheal Mite Populations in ND - 672  
Essayists Catalog Beekeeping Activities - 425  
Essex County Beekeepers Mount a Winning Fair - 445  
European Professional Beekeepers Assoc. - 17  
Extension Bee Specialist Receives AAPA Award for Apicultural Excellence in Florida - 167

## F

Family Page - 43, 117, 191, 281, 353, 449, 521, 595, 661, 755, 815, 873  
Finding the Lady - 880  
Florida Pest Alert—The Small Hive Beetle - 565  
Fluvalinate Resistance in *Varroa jacobsoni* From Several Geographic Locations - 674

For Tiptop Bee Health - 568  
Fore Receives Dutch Gold Honey Bear - 164  
Formic Acid Gel Protects Bees and People - 713  
Formic Acid Gel Could Stop Two Mites With One Treatment - 17  
Formic Acid For Varroa Control - 734  
Fraknol Thymol Frame for Varroa Control - 610  
Frequency and Infestation Levels of the Mites - 125  
From Beekeeping to Photography - 189

## G

Gerard Paradis: A Tribute - 640  
Giant Resin Bee is Found in the U.S. - 363  
Glickman Names Members to National Honey Board - 496, 568  
Gold Mining for Wax - 659  
Growth Curves for Swarm Prevention Methods - 183

## H

Haile the Sunflower - 805  
Hang Tags Help Sweeten Honey Sales - 241  
Hawaiian Beekeepers Receive Award - 329  
Health From the Hive: You are What you Eat - 597  
Heraldic Honey Bee - 357  
Hidden Support - 45  
History and Beekeepers - 857  
Hive Locations - 264  
Hives - 725  
Honey - 649  
Honey Bee Anatomy - 119, 603  
Honey Bee Hygienic Behavior - 283  
Honey Bee Pollen Baskets - 45  
Honey Bee Biology - 101, 259, 441, 581, 727, 887  
Honey Bee, *Apis cerana* - 273  
Honey Bee Dance Language - 279, 351, 457  
Honey Flows - 505  
Honey Health - 597  
Honey, Here Are Three Recipe Brochures - 425  
Honey on Hot Bread - 20  
Honey Nature's Original Nutraceutical - 568  
Honey Plant Marked For Biocontrol - 87  
Honey Prices - 337  
Honey Producers 1999 Convention Update - 331  
Honey Plants - 523  
Honey Plant Research - 50  
Honey Risks and Adverse Effects - 355  
Honey Sales - 593  
Honey Show - 445  
Honey Trade/Changing Honey Prices - 251  
Honey.com Web Site Honored - 425, 496  
Honey—What to do With it and Other Interesting Problems - 593  
Hoopingamer Honored - 85  
Hornfaced Bees for Apple Pollination - 361  
How Healthy are Commercially Produced U.S. Honey Bee Queens? - 677  
How I Handle Swarming - 437  
Hygienic - 283

## I

IBRA Prepares for New Millenium - 863  
Illinois Short Course a Success - 330  
Imaginative/Creative Solutions to Bee Problems are Needed - 655  
Invitation to Apimondia '99 - 857  
Inspection - 585  
Irish Beekeeping - Differences and Similarities - 817  
Issues and Problems in Selling Honey to Stores - 519  
Is the Small Hive Beetle a Serious Pest of U.S. Honey

Bees? - 882

## J

Just a Wee Little Bit, Please - 893

## L

Labels - 41

Language of Beekeeping - 657

Lanshaw Instrument - 382

Let's Buzz the Schools Booklet Available - 331

Letters to the Editor - 11, 79, 155, 233, 325, 415, 489, 561, 634, 708, 779, 857

Locations - 674

Looking Back on 1997 - 50

Louisiana Awards - 241

## M

Make Your Spring Buildup Flow Your Honey Flow - 505

Management - 35

Market Place - 384

Mating - 29

Mead: History, Current Technology and Prospects - 121

Measurement Technique With Potential to Screen Specimens - 56

Meetings

AHPA Convention - 641, 859

Alabama - 83, 864

Alberta - 788

American Bee Research Conference - 784

American Beekeeping Federation - 862

Apiary Inspectors of American - 16

Apiexpo - 569

Apimondia Moves to Canada - 16

Apimondia - 492, 863

Arab Apicultural Congress - 331

Auburn University Beekeeping - 20

Beaverlodge Beekeepers Field - 330

California - 161, 785

Colorado - 15, 420, 492, 786

Cornell University - 166

Delaware Valley College Short Course - 240, 330, 421

Eastern Apicultural Society - 241, 330

Eastern Canada - 15, 421

Florida - 15, 640

Georgia - 711

Georgia Beekeeping Institute - 422

Honey Exporters - 242

IBRA Conference on Tropical Bees - 788

Illinois - 162

Indiana Beekeepers - 420, 491, 864

International Apitherapy Symposium - 493

Iowa - 87, 491, 639

Kentucky - 711

Louisiana - 712

Maine Bee School - 161

Maine - 161

Maryland - 421, 712

Massachusetts - 639

Mexico - 163

Michigan - 83, 240

Midwest Master Beekeeping and Queen Rearing - 329

Minnesota - 420

Mississippi - 639

Missouri - 84

Nebraska Beekeepers - 329, 420, 786

Nebraska Workshop - 329

New Hampshire/Vermont - 570, 239, 491, 639

New Mexico - 787

New York - 491

New Hampshire - 161

North Dakota - 639

North Carolina - 15, 84, 491

Northeastern Apicultural Symposium - 712

Northern New York Beekeeping - 240

Ohio State University - 162

Ohio - 83, 161, 787

Oklahoma - 240

Ontario Practical Beekeeping - 84

Oregon - 84, 787

Pacific Northwest Apitherapy - 239

Pennsylvania - 84, 786

South Carolina - 15, 163, 420, 787, 864

Tennessee - 161

Texas - 164

Tri-State Beekeepers - 239

University of Illinois Short Course - 330

U.S. Beekeepers - 786

Utah - 712

Vermont - 421, 864

Washington State Beekeepers Assoc. - 711

West Virginia - 491

West Indies - 493

Wisconsin Honey Producers - 422, 639

Michigan Honey Queen - 491

Microencapsulated Pesticides - 207

Mid-US Honey Producers Meet - 712

Mites or Disease - 267

Mites - 681

More on the Language of Bees - 457

Mountain Mint - 195, 367

My Intensive Two-Queen Management System - 507

## N

National Honey Board - 91, 93, 154, 409, 412

National Honey Board Amendment - 411

National Honey Board News - 18, 88, 165, 425, 495, 567, 641, 714, 789, 865

National Honey Board Web Site Wins Fertile Ground Award - 18

Nectar Production Dynamics and Honey Potential of Mountain Mint - 195

New Theory on the Cause of Swarming - 277

New Product/Solar Bee Breeze - 642

Newsnotes - 15, 83, 161, 239, 329, 420, 491, 567, 639, 711, 783

New Trial Denied in \$2 Million Texas Bee-Sting Suite - 494

North Carolina Beekeepers Honored - 713

Nosema Disease - 343

## O

Obituaries -

Dyer, James T. - 865

Emde, Earl - 423

Glew, Erwin - 322

Mitchell, Otis Robert - 332

Regier, Marvin Henry - 166

Ruttner, Prof. - 243

Sondermann, William J. - 20

Vaenoski, John G. - 20

Walker, Chase V. - 243

Piechowski, Esther M. - 715

Observation Hive - 721

Odors, Wind and Colony Foraging - 746, 807, 897

Of Language and Beekeeping - 657

## P

Paraffin for AFB Control - 741

Pennsylvania - 786

Perfect Inspection - 585

Pesticide Use in South Carolina - 203

Pheromones Do Not Improve Requeening Success - 900

Photography - 189

Plastic Strips Containing Organophosphorous

Acaricides - 612,

Poison Pollen from Death Camas - 459

Pollen - 459

Pollination - 341

Potential Impact of Microencapsulated Pesticides - 207

Pre-Columbian Beekeeping in the Americas - 451

Presidents Award - 424

Proceedings of the American Bee Research Conference - 291

Progress Report on Selective Breeding - 464

Proposed NHB Legislation - 412

Pursue Mite Research - 164

## Q

Qualities of Mountain Mint - 367

Queens - 677

Queen Bees Reward for Export - 88

Queen Cells - 581

Queen Development Time and the Africanization of

European Honey Bees - 467

Queen Disorders - 177

Queen Insemination - 382

Queen Problems and Solutions - 349

Queen Rearing Method - 811

## R

Recipes -

Apple Cider Wine - 281

Apricot Sticks - 661

Back to Nature Cookies - 43

Baked Onions - 755

Bee Pollen Candy - 43

Bran Muffins with Walnuts and Honey - 661

Cabbage Salad with Sour Cream Dressing - 521

California Muffins - 191

Caramel Honey - Pecan Rolls - 449

Carrots with Honey and Mint - 755

Cinnamon Honey Horn - 353

Coconut Candies - 661

Corn Relish - 353

Date Honey Bars - 449

Doctor Bird Cake - 449

Far Eastern Chicken - 191

Fat Honey Cookies - 192

French Spice Loaf - 192

Gingerbread Loaf - 353

Glazed Pork Fillet - 661

Glazed Pork Loin Roast - 192

Honey-Apple Bread - 755

Honey Apricot Bread - 43

Honey Banana Bread - 449

Honey Barbecued Chicken - 815

Honey Be Mine: Kids Create Cookie Valentines - 118

Honey Bean Salad - 450

Honey Candy Rolls - 44

Honey-Caramelized Bananas and Oranges - 815

Honey Caramels - 44

Honey Celery Seed Dressing - 521

Honey Cheesecake - 44

Honey Cheese Spread - 353

Honey Chili - 449

Honey Cookie Rolls - 353

Honey Date Cookies - 43

Honey Doughnuts - 755

Honey Drops - 44

Honey Ginger Cake - 521

Honey-Glazed Carrots - 815

Honey Icing - 353

Honey Oatmeal Chews - 43

Honey Oatmeal Cookies - 521

Honey Pecan Bavarian - 522

Honey Pecan Sauce - 353

Honey Puffins - 44

Honey Raisin Bars - 521

Honey-Rosewater Cleansing Lotion - 354

Honey-Rosewater Hand Lotion - 354

Hot Sauce - 596

Honey Scotch - 521

Honey Soda Bread - 815

Honey Valentine Cookies - 118

Honey Wine - 281

Hydromeli - 281

Indian Pudding - 661

Lemon Dream Pie - 815

Kentucky Milk & Honey Loaf - 191

Marinated Butterflied Leg of Lamb - 755

Mountain Mammals Trail Jam - 595

Metheglin - 281

Orange Honeyed Ham - 521

Palermo's Pizzicata - 661

Peanut Butter Bars - 43

Pfeffernusse - 353

Pickled Carrot Sticks - 596

Pickled Cucumber Chips - 595

Raw Vegetable Dip - 450

Raw Apple & Honey Cake - 44

Red and White Floating Islands - 117

Sesame Chicken - 43

Sesame Apricot Cookies - 449

Sesame Crisp Cookies - 43

Skillet Honeyed Zucchini - 450

Smoked Turkey Grab'n Go - 815

South of the Border Salad with Honey-Jalapeno

Dressing - 815

Speedy Grilled Chicken with Honey-Orange

Glaze - 117

Spiced Apple Butter - 595

Spicy Spanish Bread - 661

Sumerian Ale - 281

Sweet & Savory Rice Pilaf - 815

Sweet Potato Spoon Bread - 755

Sweet Carrot Bread - 191

Sweet Gherkins - 595

Sweet Roasted Pork - 755

Sweet-Sour Franks - 43

Sweet-Sour Cabbage - 44

Tomato Catsup - 595

Very Strong Mead - 281

Walnut and Date Candies - 661

Walnut Honey Bread - 191  
 Watermelon Rind Pickles - 595  
 Zucchini Relish - 596  
 Remating in Varroa: For What Purpose - 607  
 Report on the Activity of the Commission of  
 Apitherapy - 601  
 Requeening Success - 900  
 Residues in Honey After Thymol Application - 610  
 Resin Bee - 363  
 Resistance to Disease - 47  
 Rethinking Our Ideas About the Winter Cluster - 587  
 Russian Bees Pass Key Test, Ready For Research - 242

## S

Sales - 113  
 Salt - An Important Dietary Supplement in Honey Bee  
 Nutrition? - 662  
 Saudi Arabia's Taste for Honey - 649  
 Second Arab Beekeepers Conference - 715  
 Selling Honey - 519  
 Small Hive Beetle - 565, 882, 884  
 Small Hive Beetle Update - 567  
 Smoker Explanations - 275  
 Smoking Bees - 275  
 Solutions to Bee Problems - 655  
 Some Volatile Plant Oils as Potential Control Agents  
 for Varroa Mites in Honey Bee Colonies - 681  
 Some Epipen Allergy Injectors Recalled - 494  
 Something Is Abuzz at Clemson Univ. - 19  
 Sourwood - 753  
 Special Recognition Award - 424  
 Strictly for the Hobbyist - 35, 177, 264, 343, 431, 575,  
 736, 795, 884  
 Student Paper Award Winner - 241  
 Study Indicates That Bee, Wasp Allergy Vaccine is  
 Safe, Effective - 640  
 Subscribe to International Trade Lead Service - 18  
 Sunflower, Hail The - 805  
 Survey of Pesticide Use Patterns and Their Effects on  
 Beekeeping - 203  
 Swarm Catching - 179  
 Swarm Prevention Methods - 183  
 Swarming - 277, 437  
 Swarming, Queen Emergency - 101

## T

Tactics to Foil Medfly - 569  
 Testing Bee Colonies for Resistance to Varroa - 375  
 Texas Queen Visits Honey Packer Plant - 15  
 Texas Dept. of Ag. Dismisses Free Speech Case  
 Against Beekeeper - 164  
 The Classroom - 39, 109, 181, 269, 345, 434, 501,  
 577, 652, 731, 797, 877  
 The Sourwood Tree-One Fine Honey Plant! - 753  
 The Frakno/Thymol Frame - 610  
 The World of the Bees—A New Video - 713  
 Three For Three: National Honey Board Web Site  
 Wins Again - 165  
 Tibia's Control Center - 119  
 Tracheal Mite - 672  
 Training Video, Instrumental Insemination of Honey  
 Bee Queens - 422  
 Trials with Formic Acid for Varroa Control - 734  
 Tucson Lab Director Honored - 17  
 Tulip Tree - 193  
 Twelve Emotional Stages of the Bee Year - 875  
 Two-Queen Colonies - 507

## U

Understanding Carniolan Bees and Their Management  
 - 749  
 Unifloral Honey Production - 523  
 USDA Seeks Proposals for Amending Honey  
 Promotion Program - 639  
 Use of DHT-Equipment for Disinfection of AFB-  
 Contaminated Beehive - 738  
 Use of a Sterol Inhibitor to Control the Greater Wax  
 Moth - 287  
 Using Beekeeping to Teach Career Goals to Young  
 Native Americans - 242

## V

Vacuuming and Blowing Bees - 179  
 Varroa - 372, 439, 575, 612, 674  
 Varroa, Can We Produce Varroa-Tolerant Honey Bees  
 in the U.S. - 828  
 Varroa Control Problems: Some Answers - 107  
 Varroa Control Problems: More Answers From  
 Florida - 267

Varroa Control with Coumaphos - 651  
 Varroa Disease - 107, 377, 528, 538, 607  
 Varroa Doesn't Kill Bees - 377  
 Varroa, Fluralinate Resistance - 535  
 Varroa Mite Levels - 125  
 Varroa Mites - 681  
 Varroa Mites, Biological Control of - 801  
 Varroa's Response to Fluralinate in the Western U.S. - 439  
 Varroa, Thymol Use for Control - 610  
 Vesubie Valley: Salt and Honey - 894  
 Views on the Single Bristle - 603

## W

War Against Varroa - 372  
 Washington Firm Fined \$3,780-18  
 Water-one of Life's Necessities - 259  
 Wax Moth - 287  
 We All Love Those Tall Ones - 725  
 We Could Use More Volunteers in Our Black Locust  
 and Tulip Tree Study - 193  
 Wellmark, Apistan - 154  
 Wembley Is Here - 241  
 When Almonds are in Bloom - 341  
 Wild Bee Hunting - 441  
 Winter Cluster - 511  
 Winter Cluster Part II - 587  
 Wisconsin Announces New Queen - 87  
 Wisconsin Beekeepers Honored - 85  
 World Honey Market - 21, 95, 173, 245, 333, 426,  
 497, 571, 645, 717, 791, 868  
 World Honey Trade Changing - 251

## Y

Yellow Jacket Problems - 857  
 You Know You're a Beekeeper When - 857

## CONTRIBUTORS

### A

Adee, Richard - 80, 411  
 Allan, Lee F. - 12  
 Alten, Robert - 179  
 Atmowidjojo, Anita - 672, 828  
 Ayers, George - 50, 193, 195, 367, 523, 665

### B

Babaj, Sanjay - 56  
 Baldwin, Alan - 235, 325  
 Basualdo, M. - 738, 741  
 Batra, Suzanne - 361, 563  
 Batsis, Labrini & Margarita - 461  
 Baxter, J.B. - 674  
 Baxter, James R. - 882  
 Beasley, James - 327  
 Bedascarrabure, E. - 738, 741  
 Bickley, Haywood - 325  
 Bogdanov, Stefan - 610  
 Brachmann, Bob - 79  
 Buckley, Alan - 80, 325  
 Burkowski, John - 207

### C

Cakmak, Ibrahim - 677  
 Calderone, Nick - 157  
 Camazine, Scott - 677  
 Chamberlin, Frank - 437  
 Cherbuliez, Theodore - 601  
 Clayshulte, Jeane - 157  
 Cobey, Susan - 382, 900  
 Cole, Don - 326  
 Colson, James - 489  
 Conley, Alex - 418  
 Cory, Bob - 325  
 Cramp, David C. - 29, 451  
 Cramp, Karen - 677  
 Crom, Jan de - 418

### D

Dalby, Richard - 416  
 DeGrandi-Hoffman, Gloria - 467  
 Del Hoyo, M. - 738, 741  
 Delaplane, Keith - 35, 177, 264, 343, 431, 575, 736,  
 795, 884  
 Dixon, Don - 857  
 Doden, George E. - 235  
 Donzé, Gerhard - 528, 607

Dubanow, George - 234

### E

Eggman, Max - 417  
 Eischen, Frank - 107, 267, 439, 651, 674, 734, 882  
 Ellis, Marion - 416  
 Elzen, G.W. - 674  
 Elzen, P.J. - 674, 882  
 Erickson, E.H. - 672, 828

### F

Feldlaufer, Mark F. - 287, 535, 538  
 Fert, Gilles - 743  
 Finley, Jennifer - 677  
 Fisher, Jamie - 677  
 Fitzwater, Thom - 234  
 Fluri, Peter - 528, 607, 610  
 Fore, Troy - 407, 409, 862  
 Freeman, Doyle - 858  
 Frazier, Maryann - 677  
 Fulton, Fred - 81

### G

Gibson, Glenn - 11, 80, 93, 156  
 Goolsbey, Ancel - 327, 459, 725  
 Green, David - 341  
 Gue, Derek J. - 277

### H

Hackley, Lee - 561  
 Harman, Jay - 193  
 Hayes, Jerry - 39, 109, 181, 269, 345, 434, 501, 577,  
 652, 731, 797, 877  
 Hendricks, Dan - 81, 234, 326, 416  
 Higo, Heather - 900  
 Hines, L. - 828  
 Hoffman-DeGrandi, Gloria - 681  
 Hollenbeck, Clifford - 156  
 Hood, Wm. Michael - 203  
 Hoopingarner, R.A. - 195  
 Horr, Bob - 507, 662, 749, 801  
 Hubbe, Wolfgang - 45, 119, 603, 893  
 Hunt, Greg - 372

### I

Iannuzzi, John - 158, 597  
 Imdorf, Anton - 528, 607, 610  
 Inderstrom, Per - 415  
 Iob, Marco - 612

### J

Jackson, Stewart - 417  
 Johansson, Toge S.K. - 415

### K

Kevan, Peter G. - 273  
 Kilchenmann, Verena - 610  
 Killion, Gene - 155  
 Kime, R.M. - 121  
 King, Alan - 672  
 King, Joanne - 672  
 Kochansky, Jan P. - 287

### L

Lane, Dave - 233  
 Lang, Uwe - 355  
 Lariviere, Jean-Francois - 234, 419  
 Latshaw, Joe - 382  
 Liebig, Gerhard - 375  
 Litten, Richard - 155  
 Loper, Gerald M. - 13

### M

Mangum, Wyatt A. - 101, 259, 363, 441, 581, 727, 887  
 Marceau, Jocelyn - 900  
 Marler, Rebecca - 129  
 Masetti, L.N. - 155, 515, 894  
 Mastromarchi, Anne - 12  
 Maxwell, Raymond - 857  
 McMullen, Colby - 234  
 Medina, Louis - 125

Meyer, Roy - 207  
 Meyer, Michael - 11  
 Milani, Norberto - 612  
 Miller, John - 233  
 Möbus, Bernhard - 511, 587  
 Morse, R.A. - 121  
 Münstedt, Karsten - 355

# N

Naasz, Kim - 158  
 Nabors, Raymond - 56, 129  
 Needham, Glen - 681  
 Neilson, Rick - 235  
 Newell, Waldron W. - 326, 418

# O

Osterlund, Erik - 377

# P

Parker, John B. - 251  
 Pemberton, Martha - 561  
 Pettis, J.S. - 535, 538  
 Philip, Michael - 283

# R

Reuter, Gary S. - 283  
 Reyahi, Bassel A. - 233  
 Robertson, Bobby - 80  
 Romanik, John - 562  
 Rowland, Joseph - 91, 412  
 Roze, Albert - 677  
 Rudka, Bogdan - 563  
 Rushen, Joyce - 357, 819  
 Russell, Daniel - 207

# S

Sahlas, Mark - 823  
 Sammataro, Diana - 681  
 Scott, Howard - 41, 113, 189, 275, 384, 445, 519, 585,  
 657, 659, 817, 875  
 Shafer, Carl - 337  
 Shenouda, Rosemary - 649  
 Shimanuki, H. - 287, 535, 538  
 Smith, Peter H.J. - 880  
 Spivak, Marla - 283  
 Stanley, Glen L. - 235  
 Starkes, Charles - 489  
 Steed, Jim - 563  
 Steinkraus, K.H. - 121  
 Stott, Robert - 326  
 Sumnick, William - 349  
 Szabo, Tibor I. - 464

# T

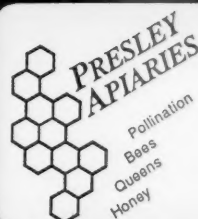
Taber, Steve - 47, 115, 187, 279, 351, 457, 505, 563,  
 593, 655, 753, 811, 891  
 Tharp, Dan - 12  
 Thompson, David - 563  
 Torres, J. - 738  
 Tyus, Harold M. - 669

# V

Van Putten, Antoon - 183

# W

Wainwright, G. - 233  
 Wardwell, Gordon - 681  
 Watkins, Joseph C. - 467  
 Watson, Bennie - 721  
 Weaver, Daniel - 157  
 Wenner, Adrian M. - 746, 807, 897  
 Westervelt, David - 882  
 Wilson, W.T. - 674, 882  
 Winston, Mark L. - 900  
 Wolf, Rick - 562  
 Wroblewska, Anna - 195



## ITALIAN QUEENS

	1-10	11-25	26 up
March-April	\$11.00	\$9.50	\$8.00
May-Sept.	\$10.00	\$8.00	\$7.00

Limited Quantity March Queens Still Available

2205 Day Road • Gilroy, CA 95020

Phone/Fax (408) 848-8886

## CONTEMPORARY QUEEN REARING IS BACK!

The best book on queen rearing is again available.

BY DR. HARRY H. LAIDLAW

Contact DADANT & SONS, INC.

51 S. 2nd St., Hamilton, IL 62341

Ph. 217-847-3324 Fax 217-847-3660 Email [supply@dadant.com](mailto:supply@dadant.com)  
 or any of our convenient branch locations

## PARTIAL EQUIPMENT LISTING

3000 colony WI/TX operation, 2500 colonies TX, 2500 colony Queen & Package Bee outfit AL, 8 frame colonies bees TX 2000 6-5/8 Powers Supers Comb MT, 610 Bobcats WI, Drums TX, Winter Wraps Midwest minimum order 100. Much, Much More.

## Morris Weaver Enterprises

10162 County Road 420, Navasota, TX 77868-9401

Phone 409-825-7714 Fax 409-825-8170

E-mail: [mweaver@txcyber.com](mailto:mweaver@txcyber.com)

## Visit Our New Dadant & Sons, Inc. and

## American Bee Journal Web Page

Our web page address is: <http://www.dadant.com>

E-mail addresses are as follows:

[ABJ@dadant.com](mailto:ABJ@dadant.com)

American Bee Journal letters and articles

[Dadant@dadant.com](mailto:Dadant@dadant.com)

general questions

[class@dadant.com](mailto:class@dadant.com)

ABJ Classroom questions

[supply@dadant.com](mailto:supply@dadant.com)

Beekeeping supply orders & questions

[relcan@dadant.com](mailto:relcan@dadant.com)

Religious candle inquiries

[deccan@dadant.com](mailto:deccan@dadant.com)

Deco candle inquiries